

Marks :20

Time : 20 min

Q1 Fill up the blanks:

- (a) The method of separating grains of paddy from its stalks is called _____.
- (b) When milk, cooled after boiling, is poured onto a piece of cloth the cream (malai) is left behind on it. This process of separating cream from milk is an example of _____.
- (c) Salt is obtained from sea water by the process of _____.
- (d) Impurities settled at the bottom when muddy water was kept overnight in a bucket. The clear water was then poured off from the top. The process of separation used in this example is called _____.

4

Q2. Choose the correct option:

1. Which of the following factors would be used in winnowing to separate heavier and lighter components of a mixture?

- a) Water b) Wind c) Air d) Seawater

2. Which of the following is the basis of separation for filtration?

- a) Difference in size of the particles. b) Difference in mass of the particles. c) Difference in weight of the particles. d) Difference in density of the particles.

3. The process of conversion of water into its vapour is called _____.

- a) Precipitation b) Condensation c) Evaporation d) Sublimation

3

4. Assertion: A mixture of cement and pebbles can be separated by using the sieve with small pores.

Reason: A sieve with small pores will allow only small cement particles to pass through and will hold back the pebbles .

- a) Statement A is true only
b) Statement B is true only
c) Both are false
d) Both are true

1

Q3. Give one example of items/mixture that can be separated by each of the following methods:

- i. Filtration
- ii. Decantation
- iii. Sieving
- iv. Condensation
- v. Wincrowing

5

Q4. Name and define the two processes depicted in the following picture:



4

Q5. Match the following:

Column I	Column II
Oil mixed in Water	Magnet
Salt mixed with water	Sieving
Iron powder mixed with flour	Handpicking
Cut potatoes mixed with French beans	Evaporation
Pebbles with rice flour	Decantation

3